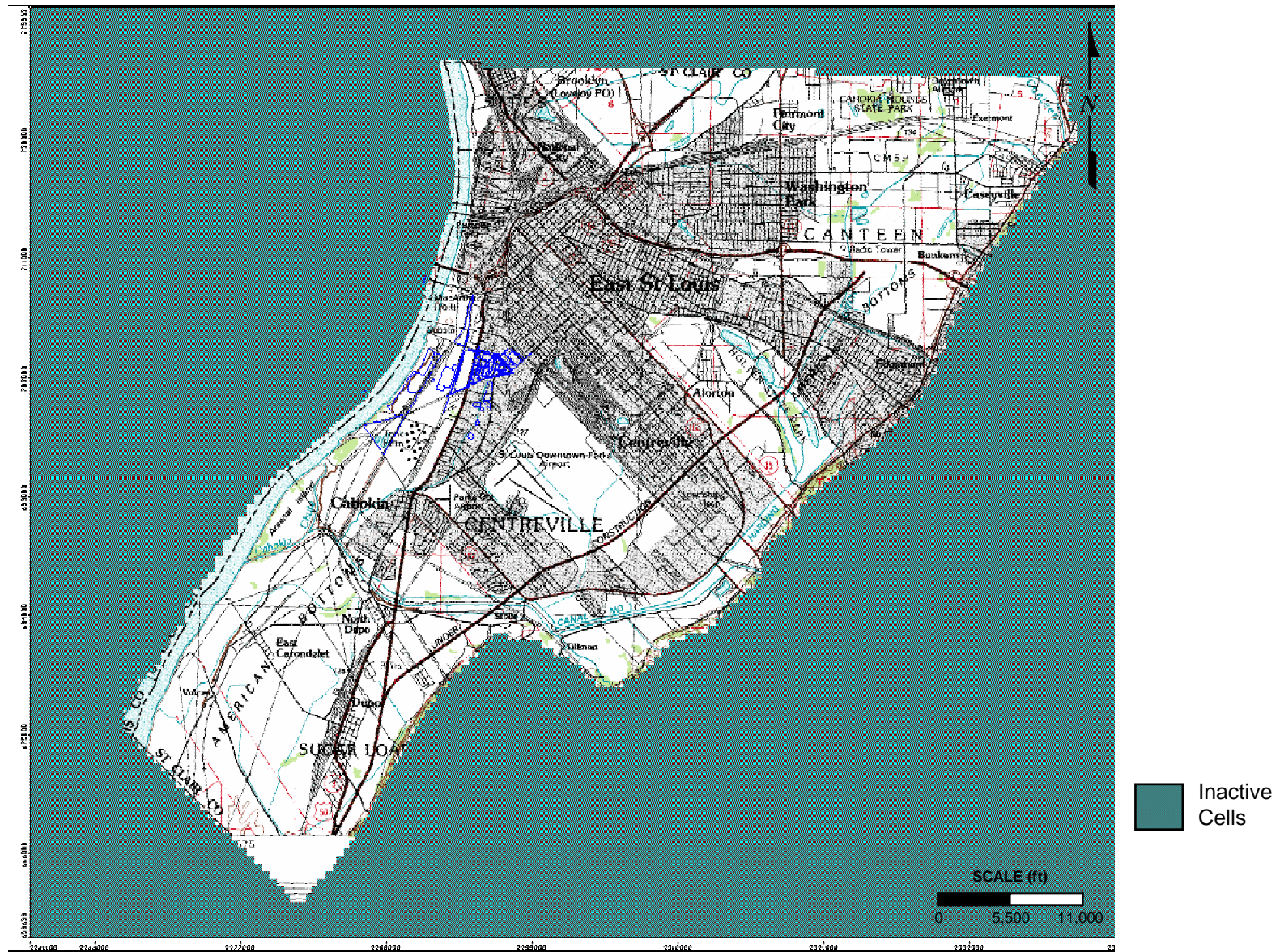


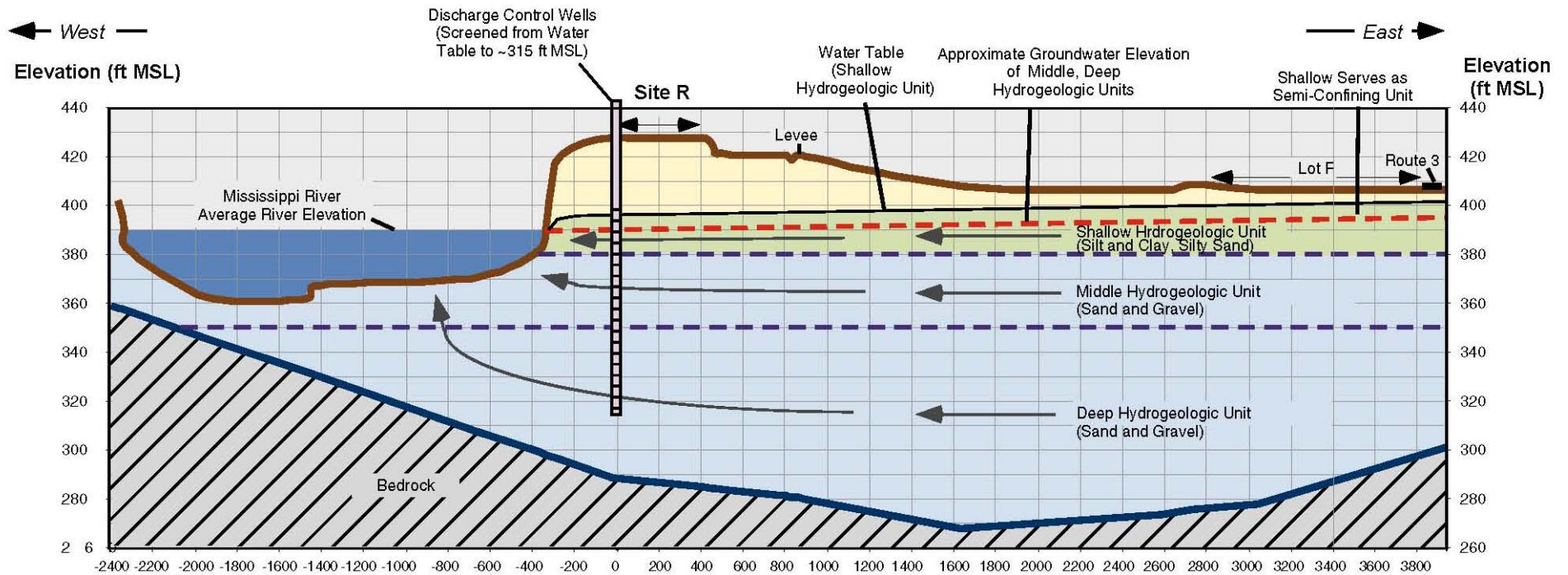
FIGURE 1
Model Domain



NOTE:

1. Site basemap from: "Remedial Investigation/Feasibility Study Report Saugat Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

FIGURE 2
Generalized Hydrogeologic Cross-Section



VERTICAL EXAGGERATION: APPROXIMATELY 12:1
VERTICAL SCALE: 1" = 66 FT
HORIZONTAL SCALE 1" = 752 FT

Distance from Western Boundary of Site R (ft)

Sources:

- Bedrock Elevation: Bergstrom and Walker, 1956
- Layer Elevations: URS Geologic Cross Section, 9/01, Geraghty and Miller, 1986, Groundwater Services, Inc., 2001
- Ground Surface Elevations: Geraghty and Miller, 1986 and URS Geologic Cross Section, 9/01
- Groundwater Flow Direction: Groundwater Services, Inc., 2001
- River Hydrography: 1994 Corps of Engineers data.

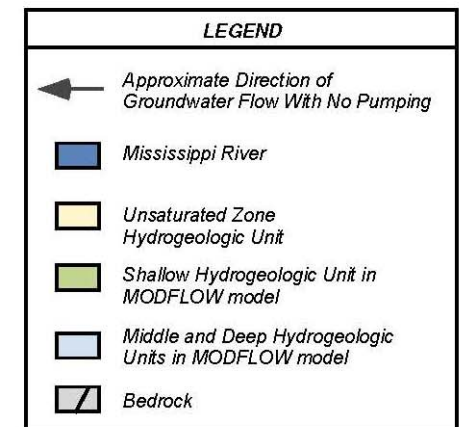
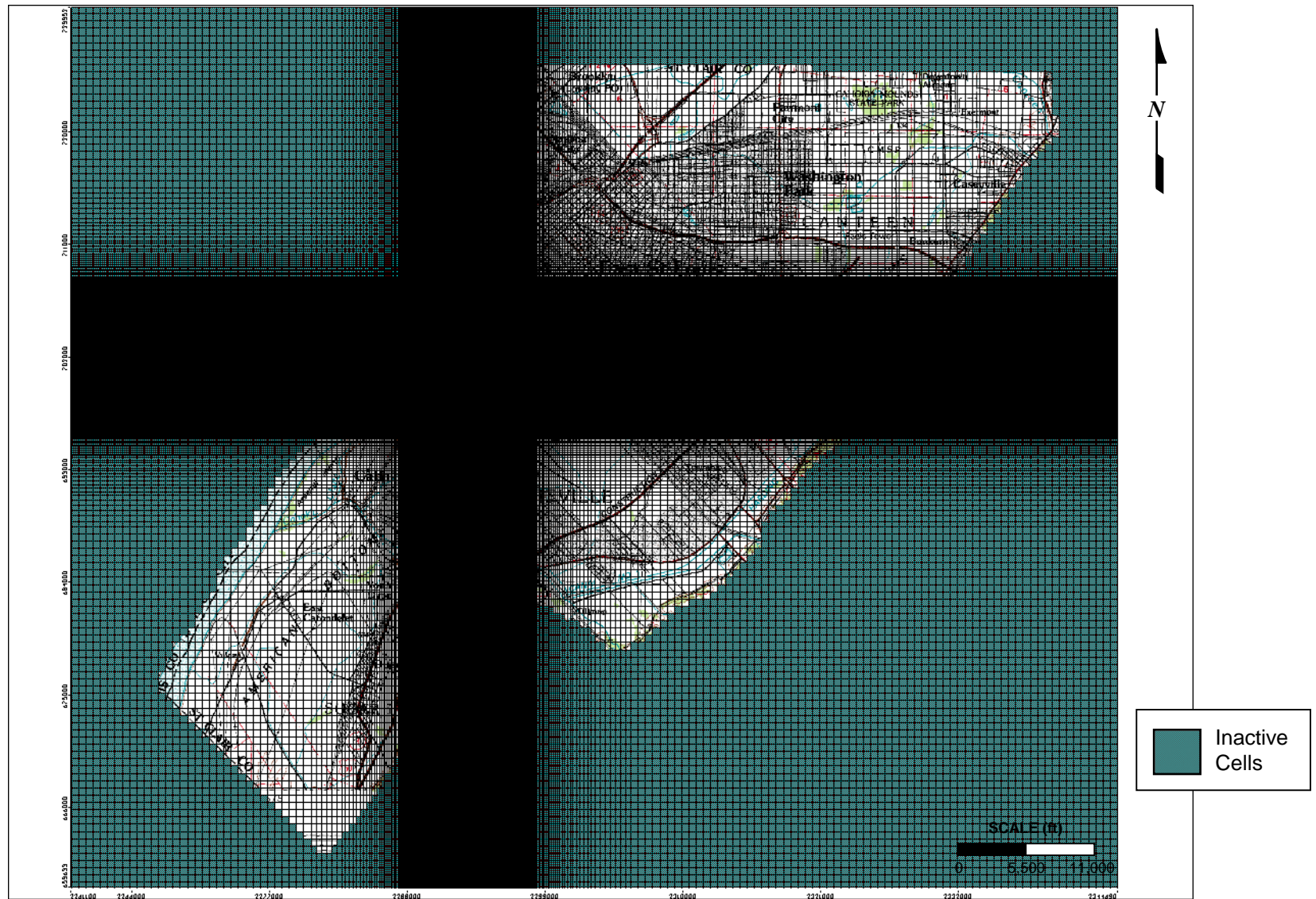


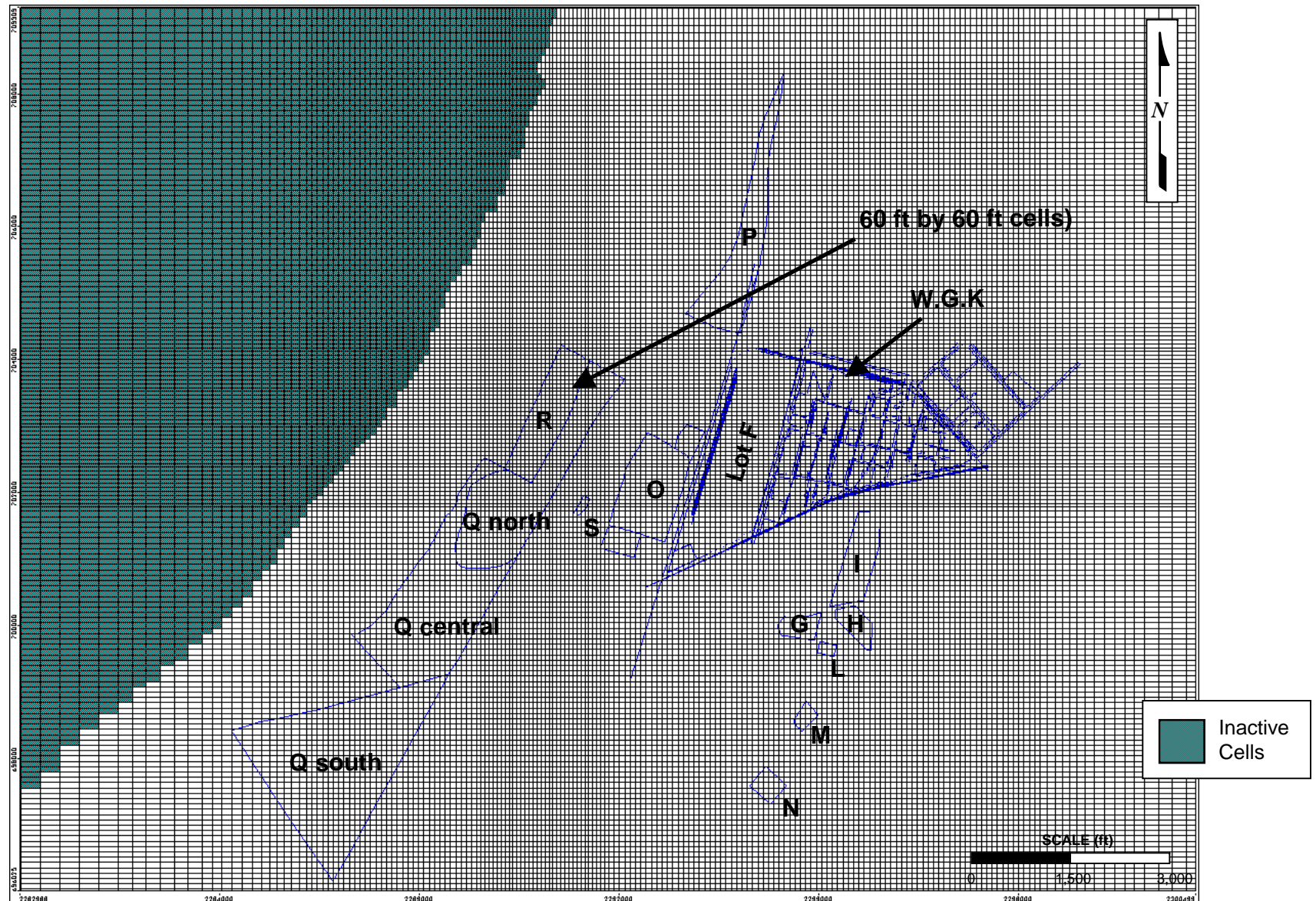
FIGURE 3
Model Grid - Overall



NOTE:

1. Grid size starts at 60 ft by 60 ft near the vicinity of Site R and gradually increases to 580 ft by 580 ft.

FIGURE 4
Model Grid – Site Only



NOTE:

1. Grid size starts at 60 ft by 60 ft near the vicinity of Site R and gradually increases to 580 ft by 580 ft.
2. Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

FIGURE 5
Model Boundary Conditions

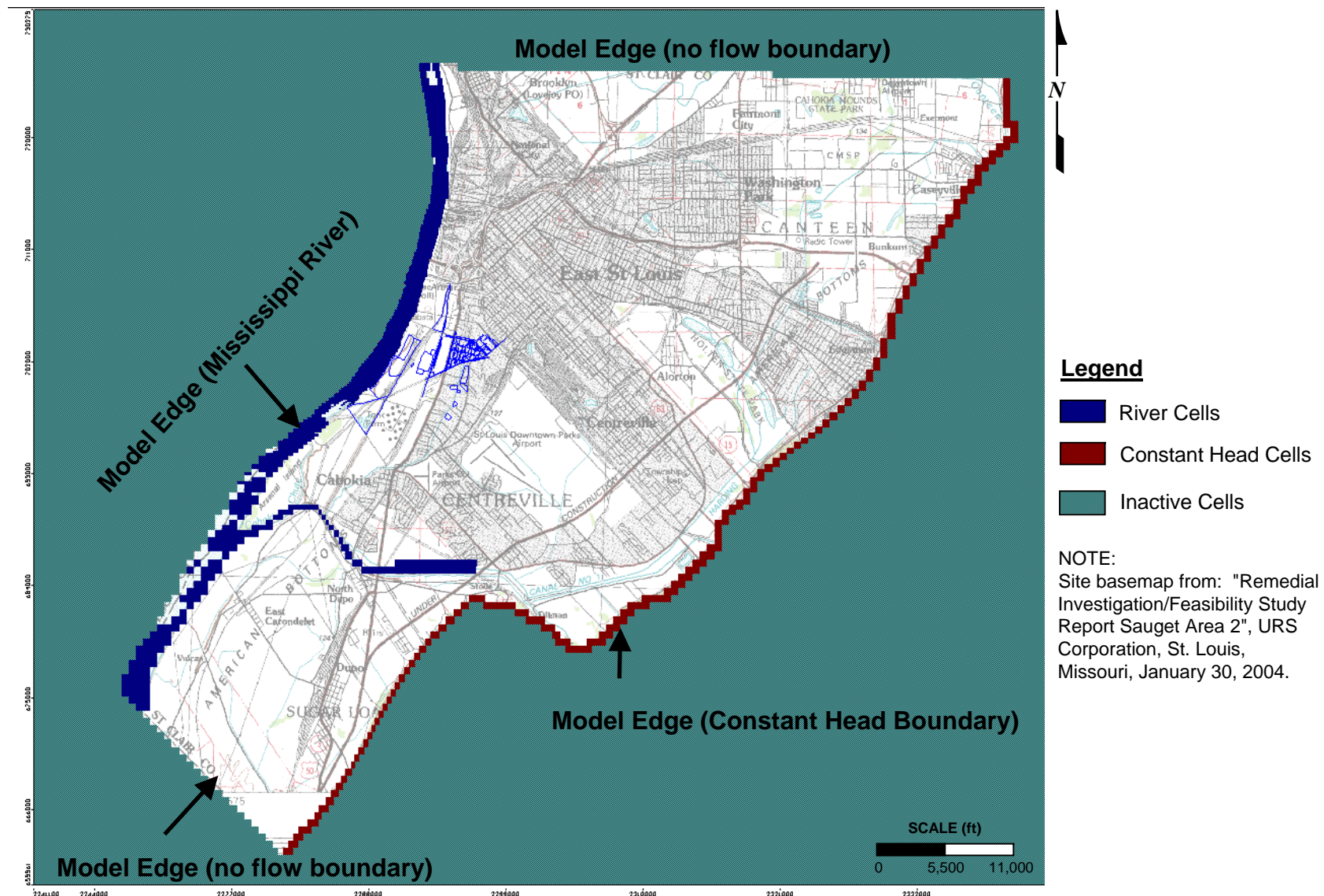
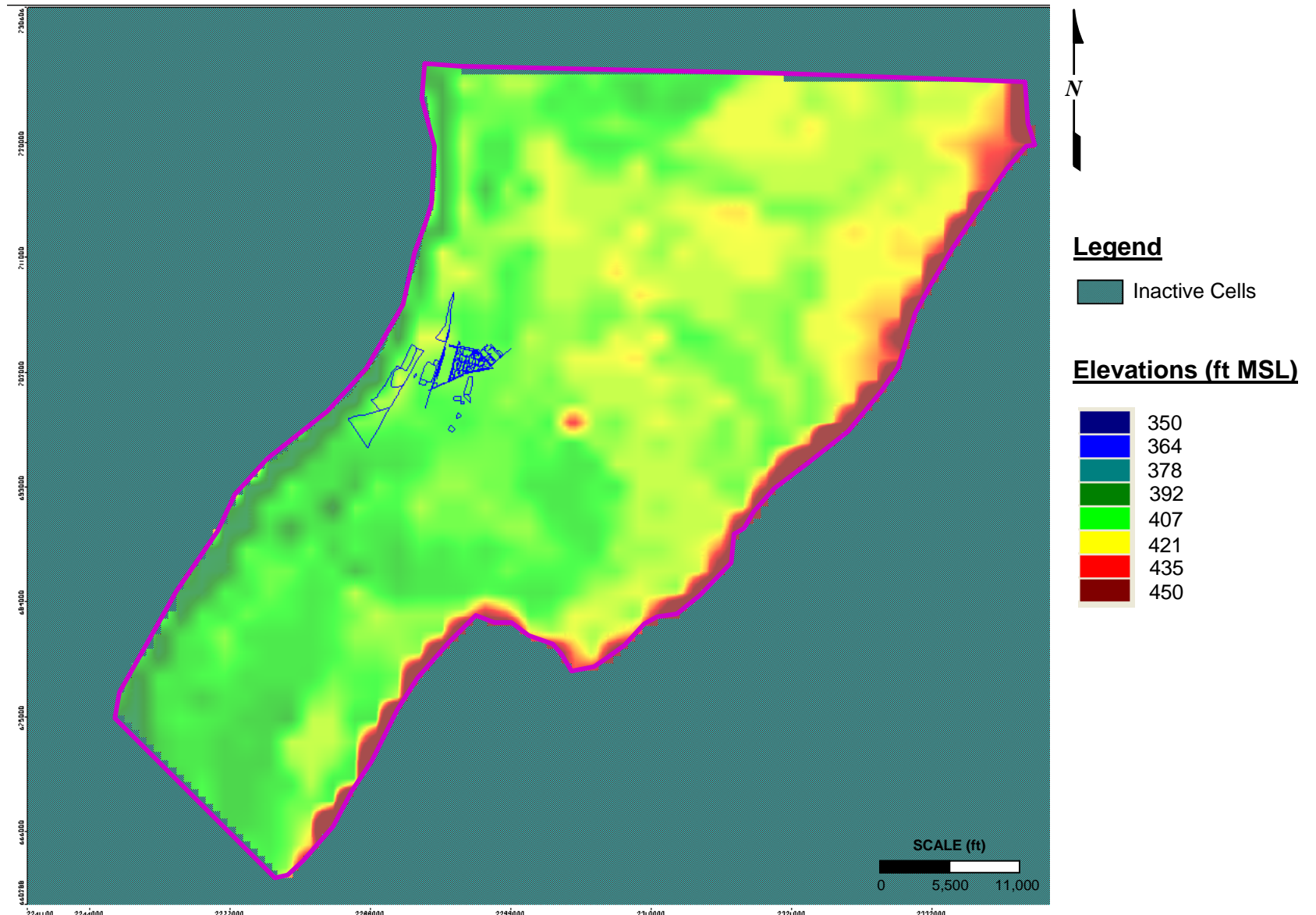


FIGURE 6
Ground Surface Elevations - Overall



NOTE:

1. Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

FIGURE 7
Ground Surface Elevations – Site Only

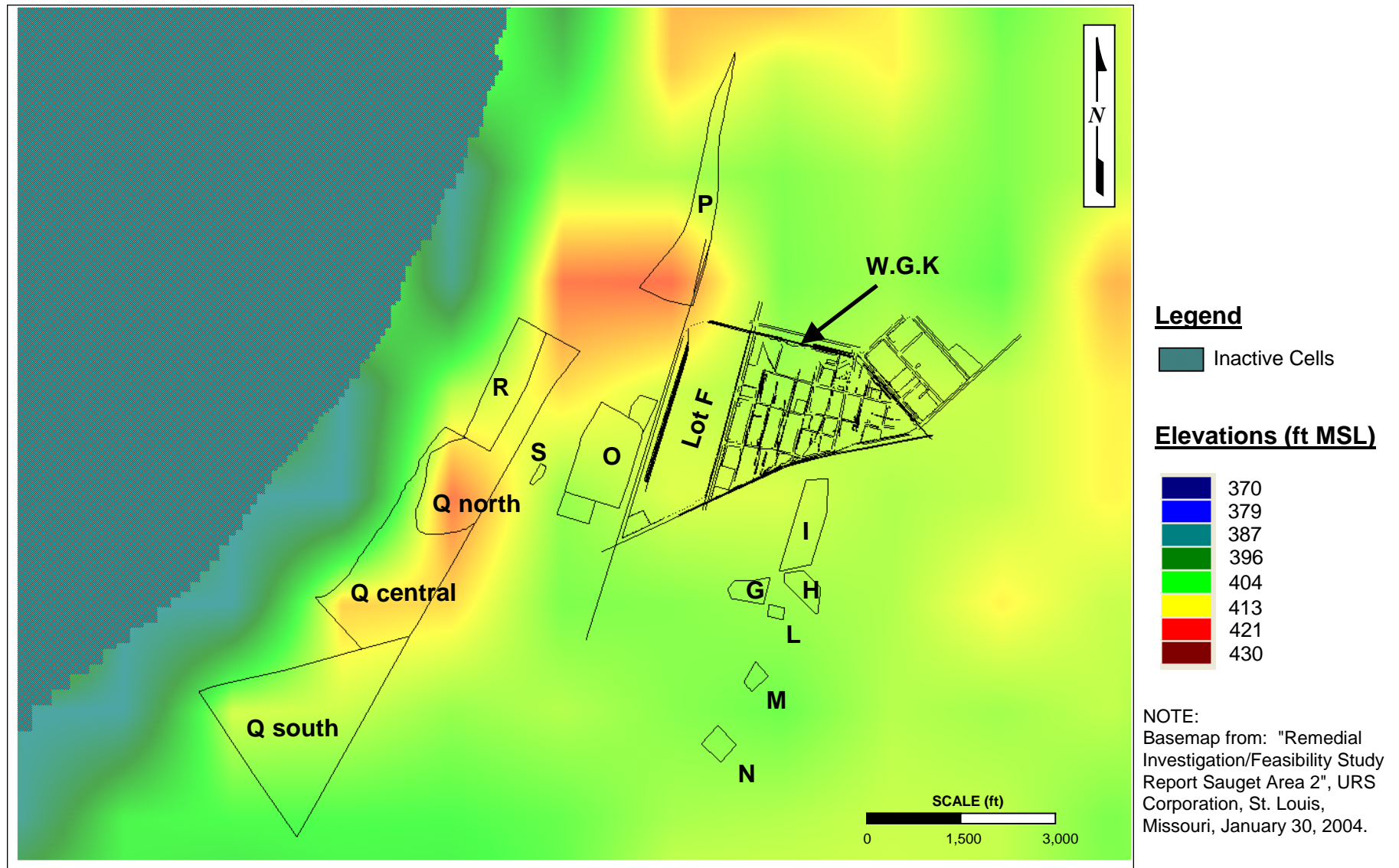


FIGURE 8
Top of Middle Hydrogeologic Unit Elevations – Overall

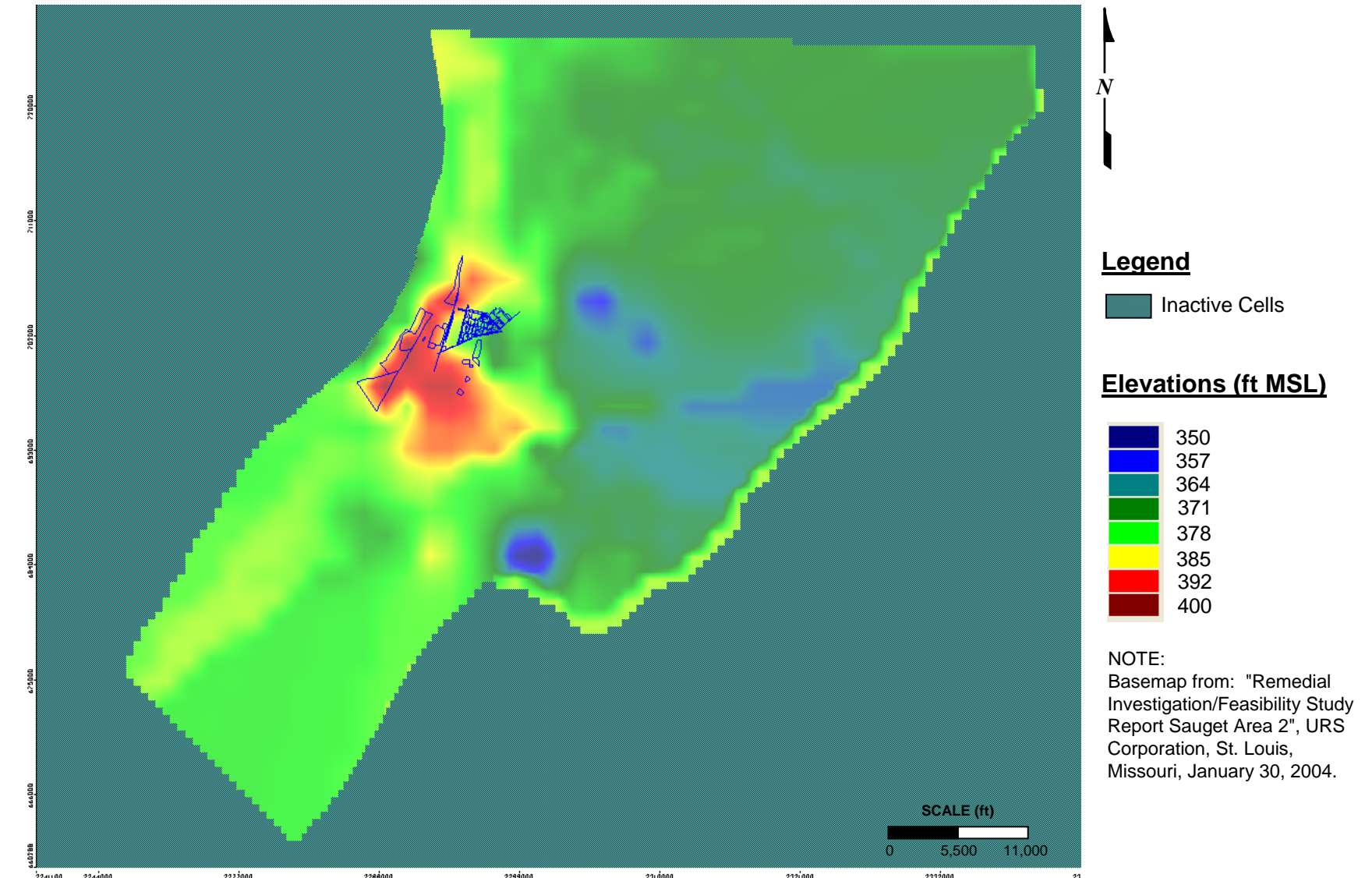


FIGURE 9
Top of Middle Hydrogeologic Unit Elevations – Site Only

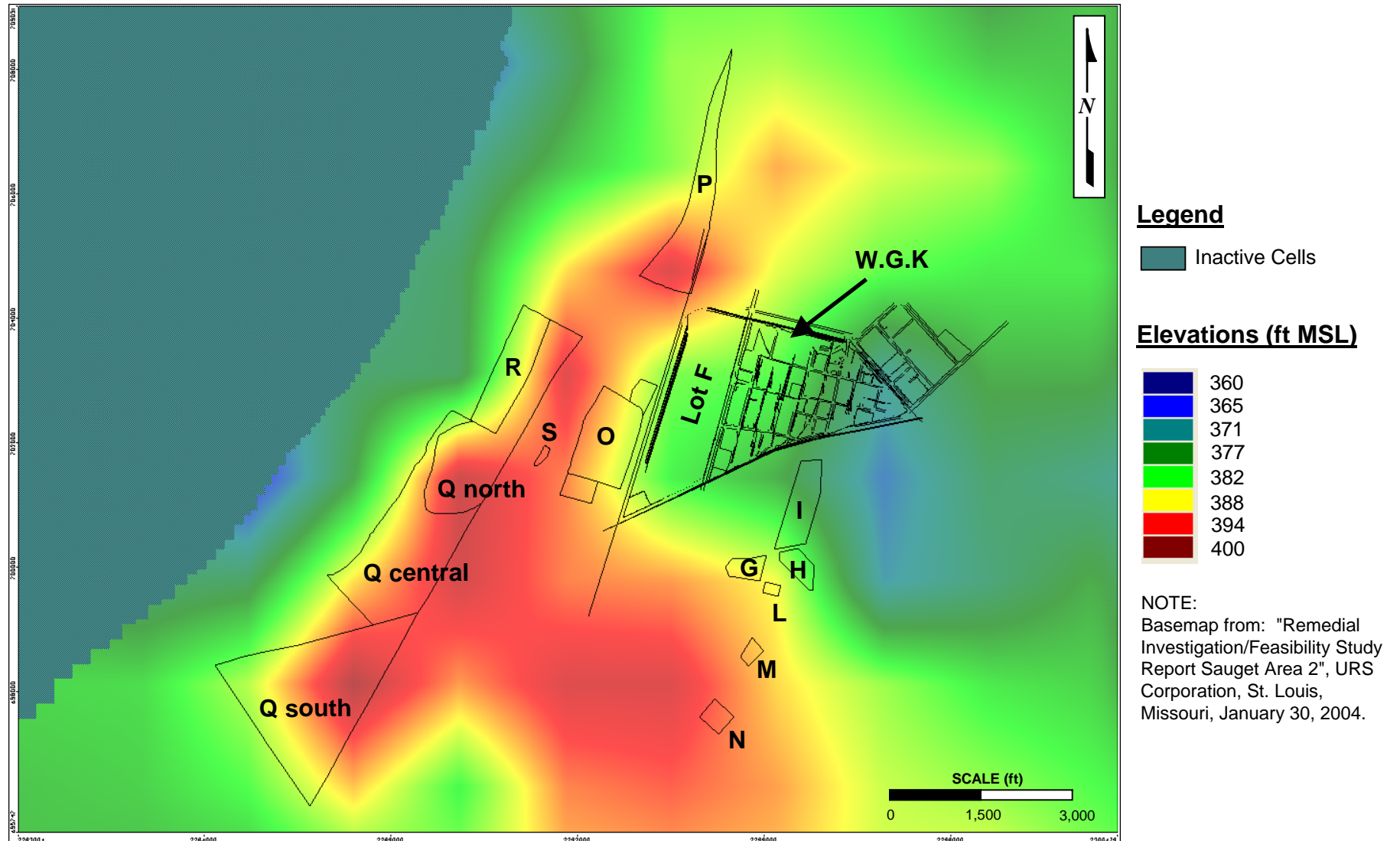


FIGURE 10
Top of Deep Hydrogeologic Unit Elevations – Overall

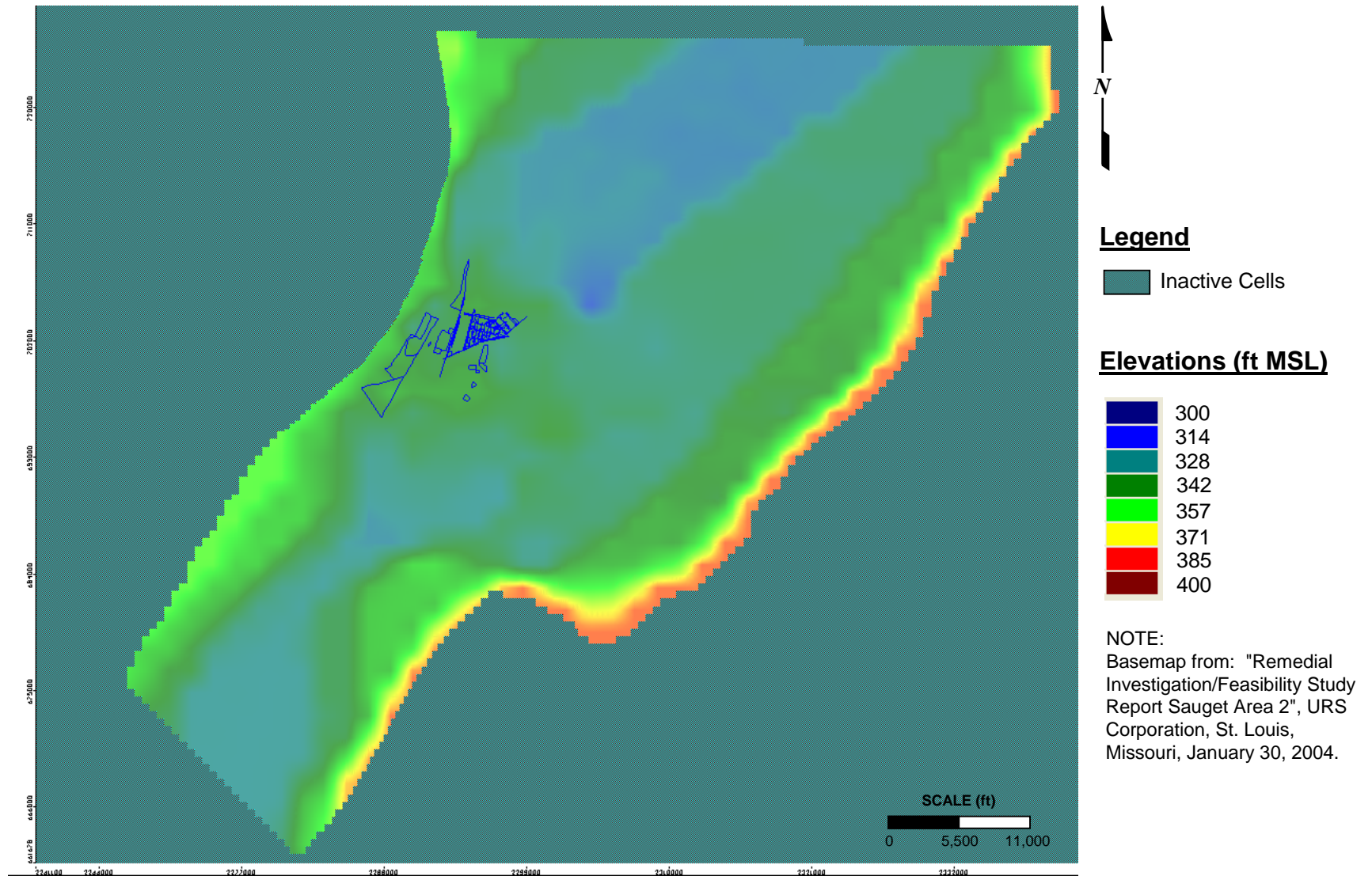
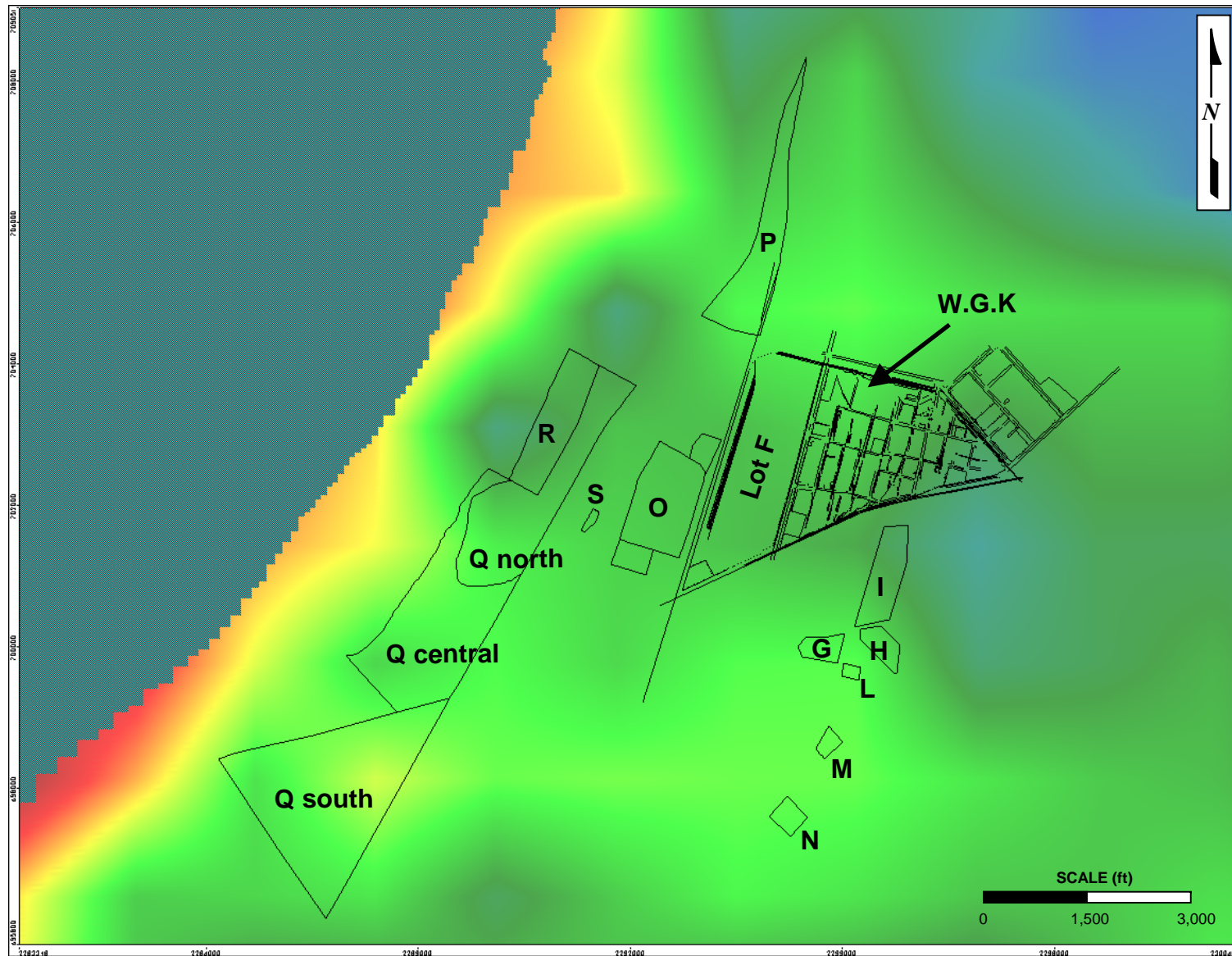


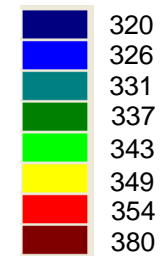
FIGURE 11
Top of Deep Hydrogeologic Unit Elevations – Site Only



Legend

Inactive Cells

Elevations (ft MSL)



NOTE:
Basemap from: "Remedial Investigation/Feasibility Study Report Saugat Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

FIGURE 12
Bedrock Elevations – Overall

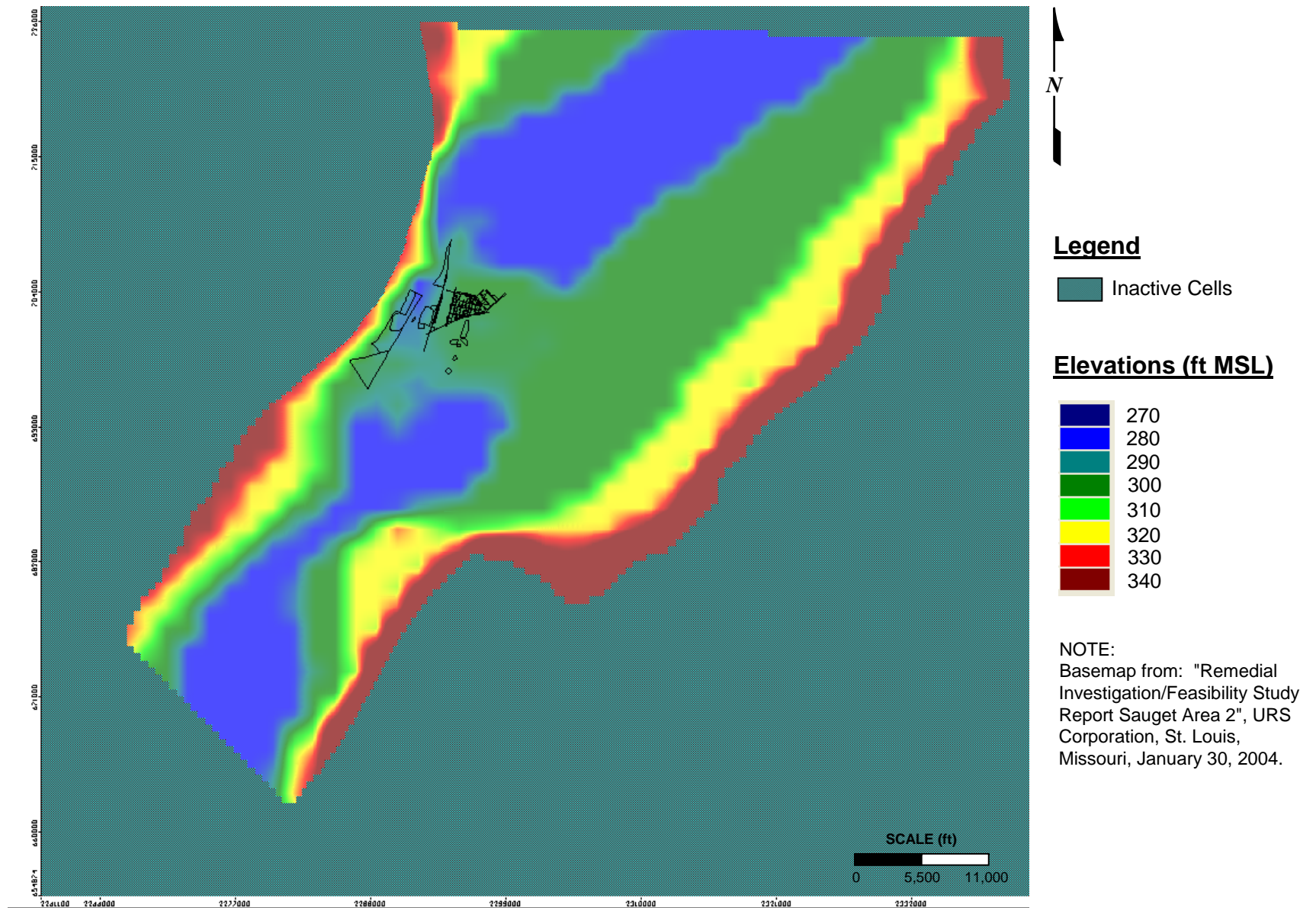


FIGURE 13
Bedrock Elevations – Site Only

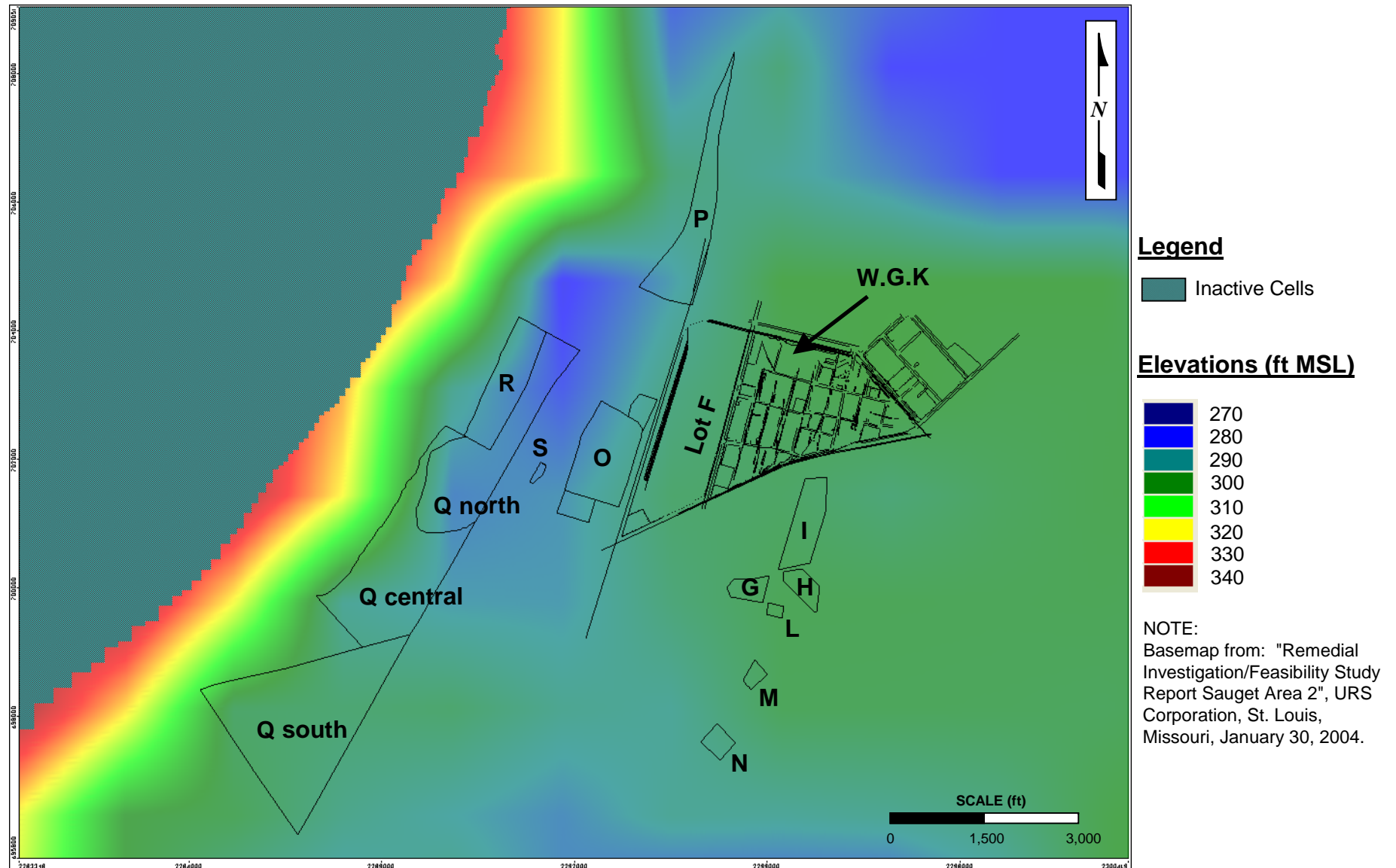


FIGURE 14
Thickness of the Shallow Hydrogeologic Unit – Overall

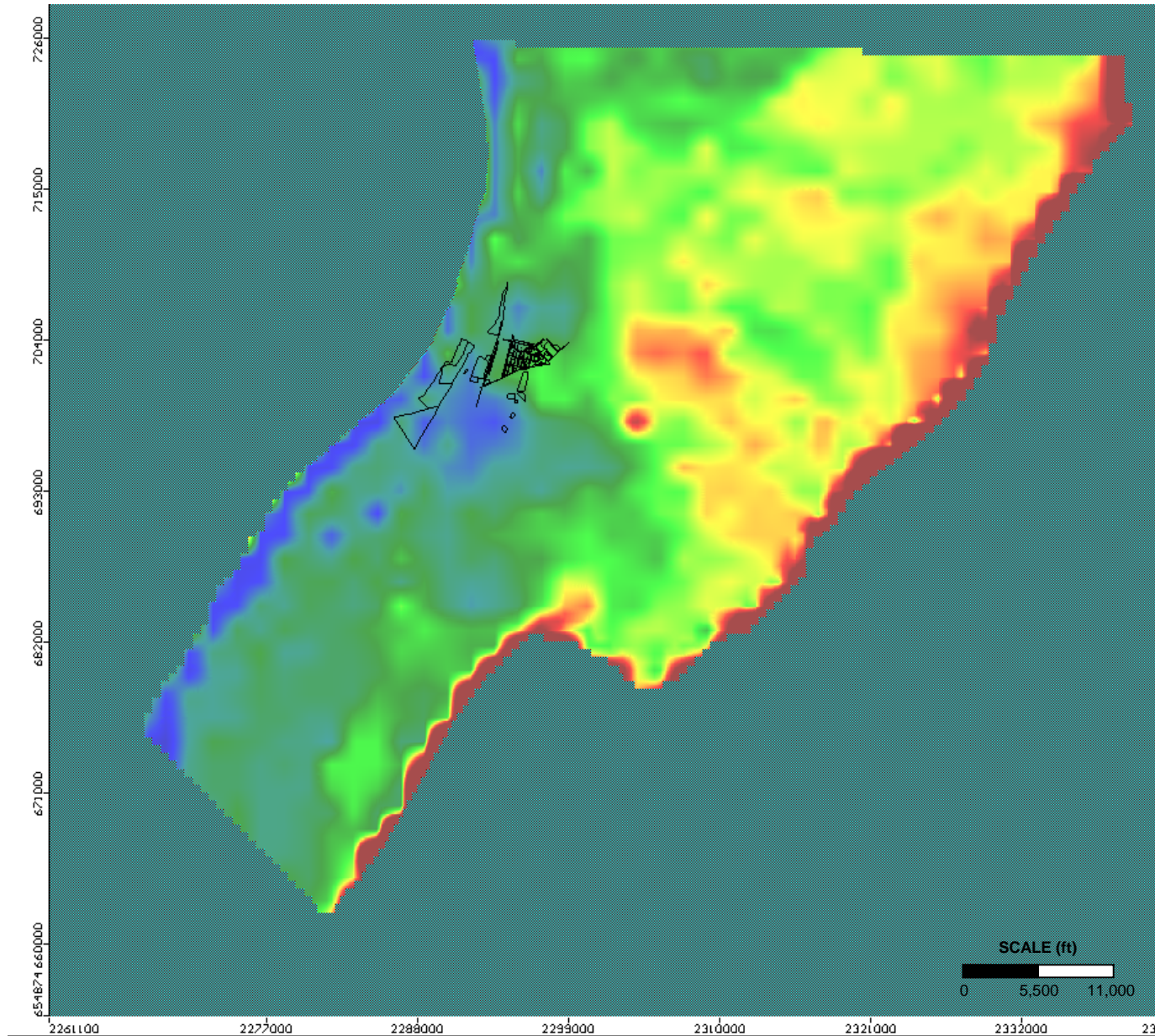


FIGURE 15
Thickness of the Shallow Hydrogeologic Unit – Site only

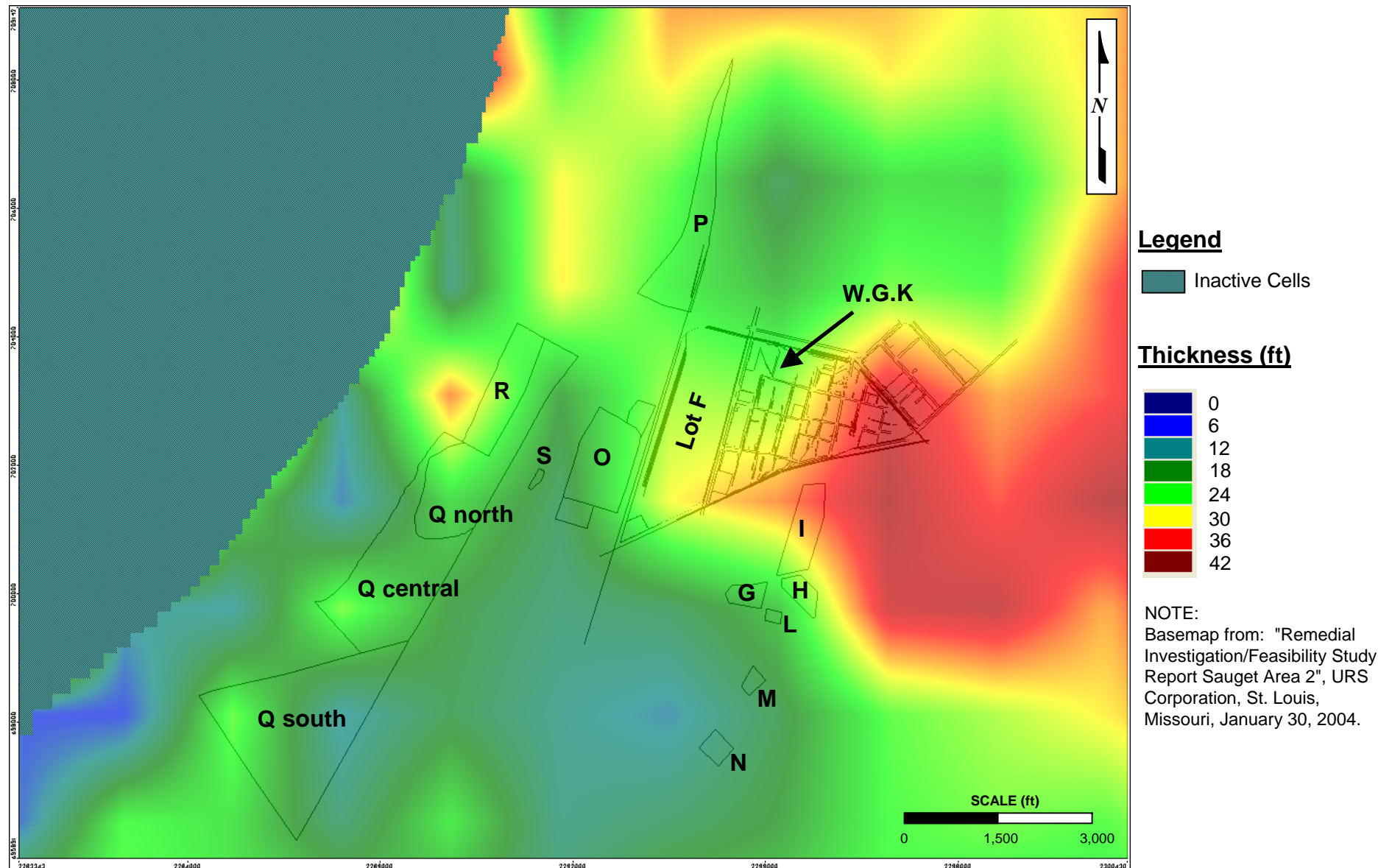


FIGURE 16
Thickness of the Middle Hydrogeologic Unit – Overall

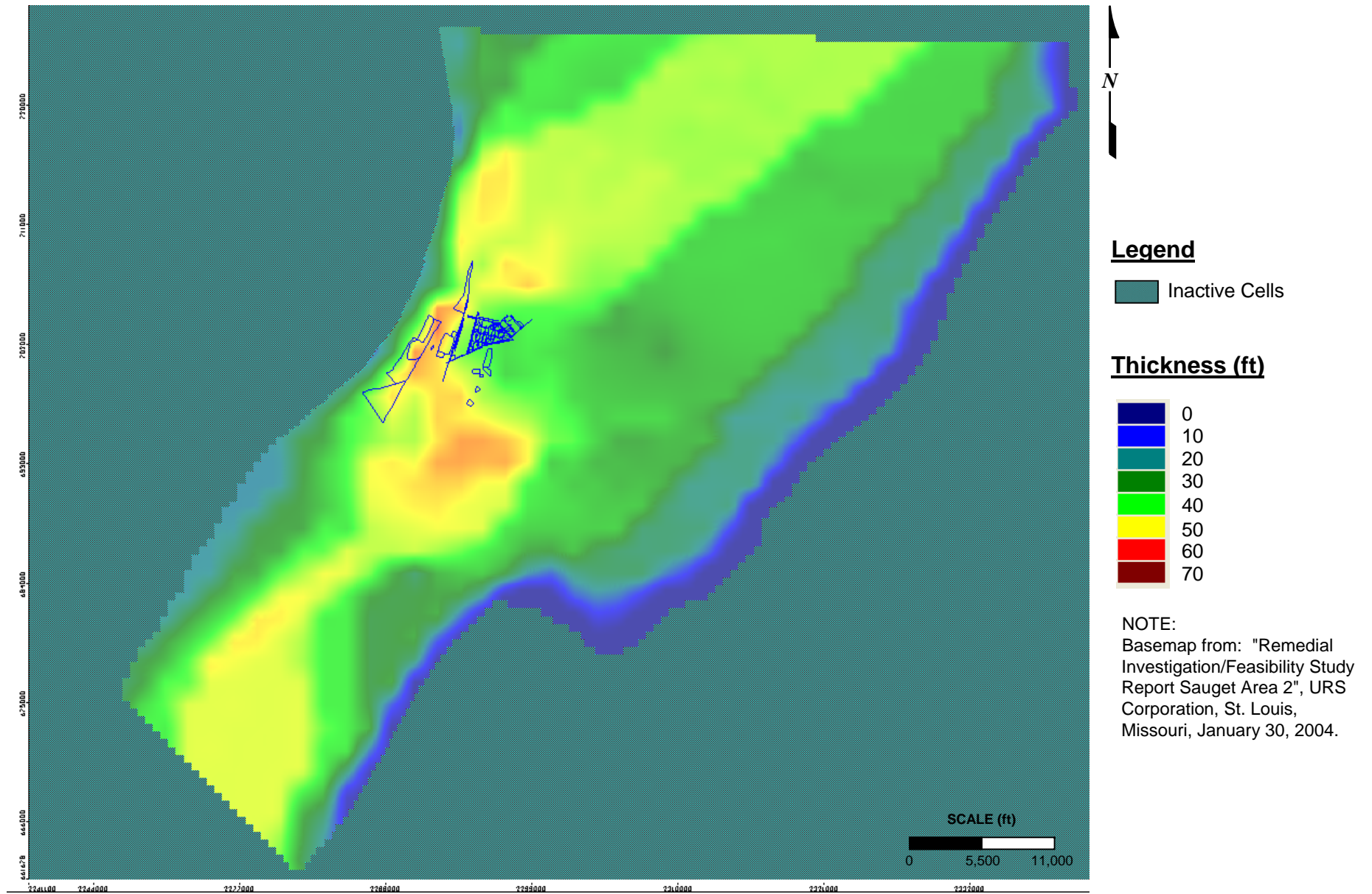


FIGURE 17
Thickness of the Middle Hydrogeologic Unit – Site only

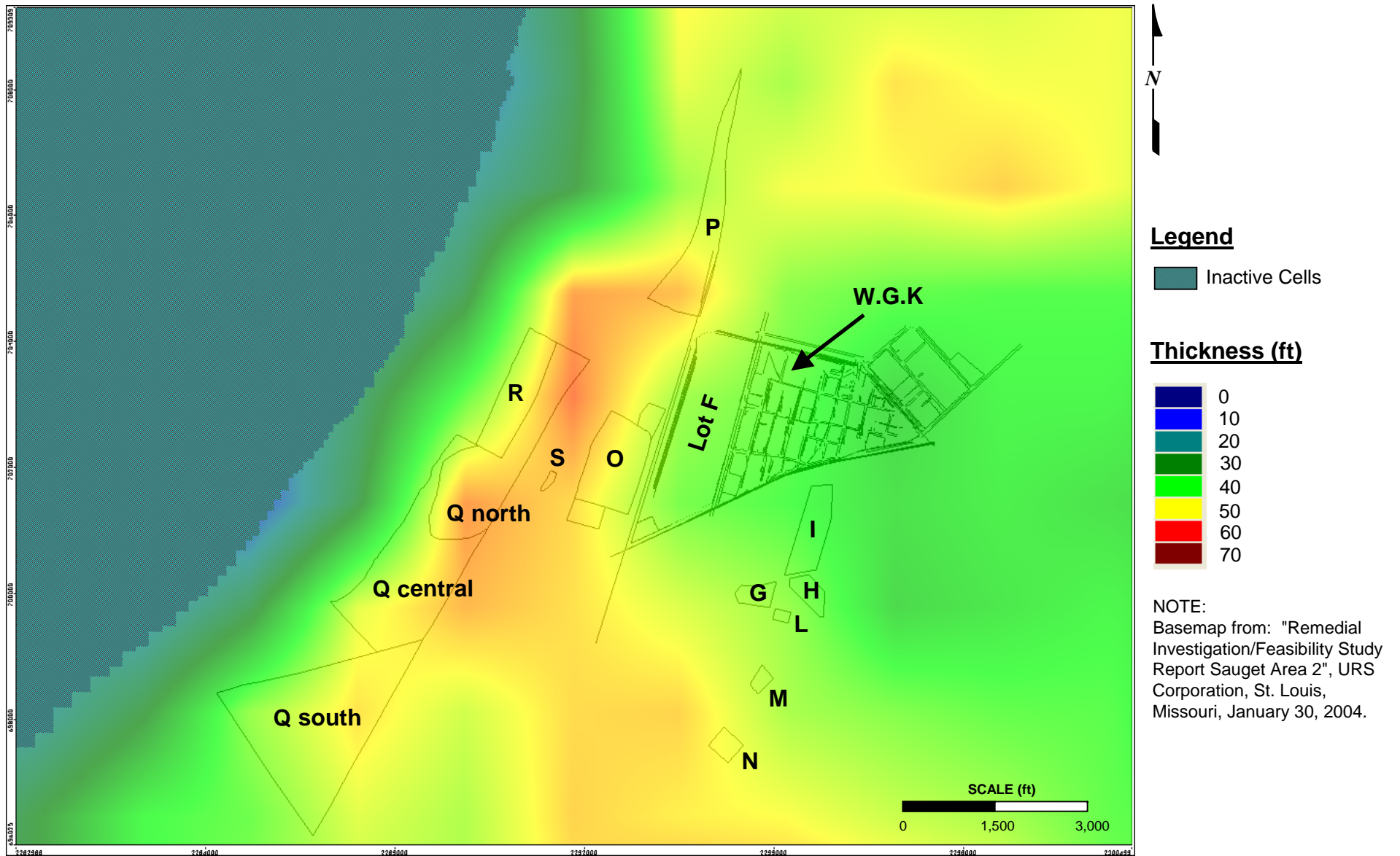


FIGURE 18
Thickness of the Deep Hydrogeologic Unit – Overall

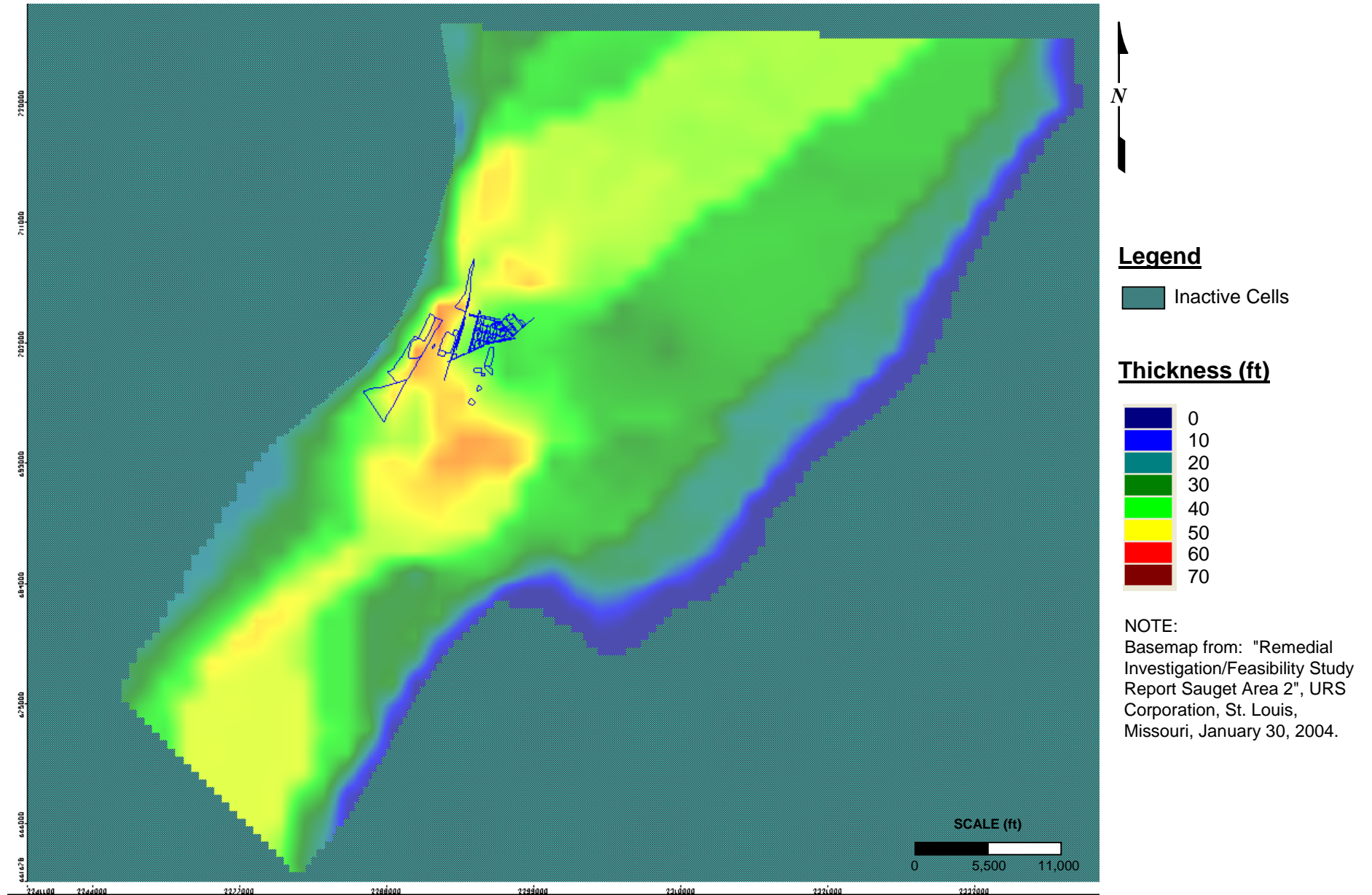


FIGURE 19
Thickness of the Deep Hydrogeologic Unit – Site only

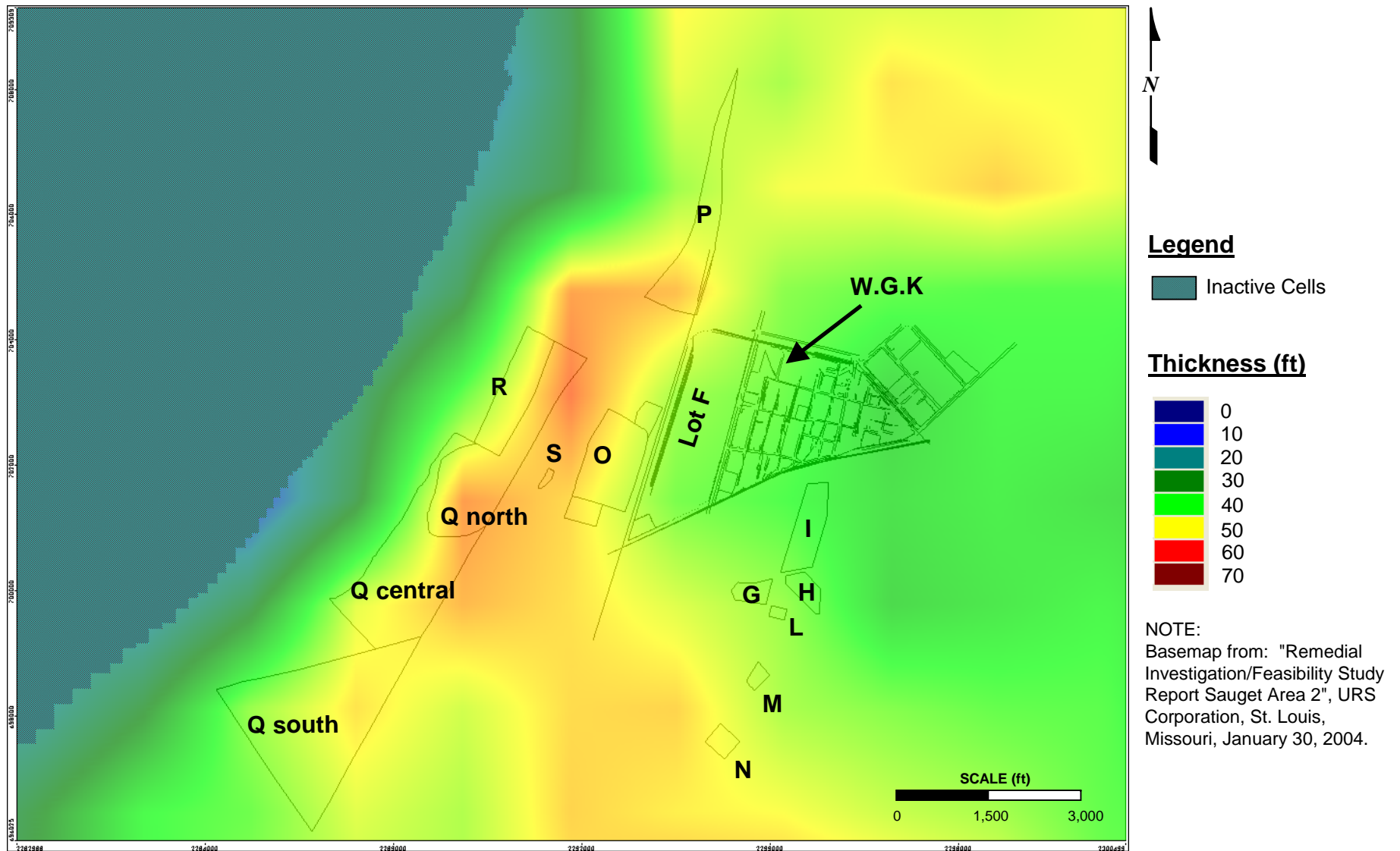


FIGURE 20
West-East Cross-Section Across EW-2

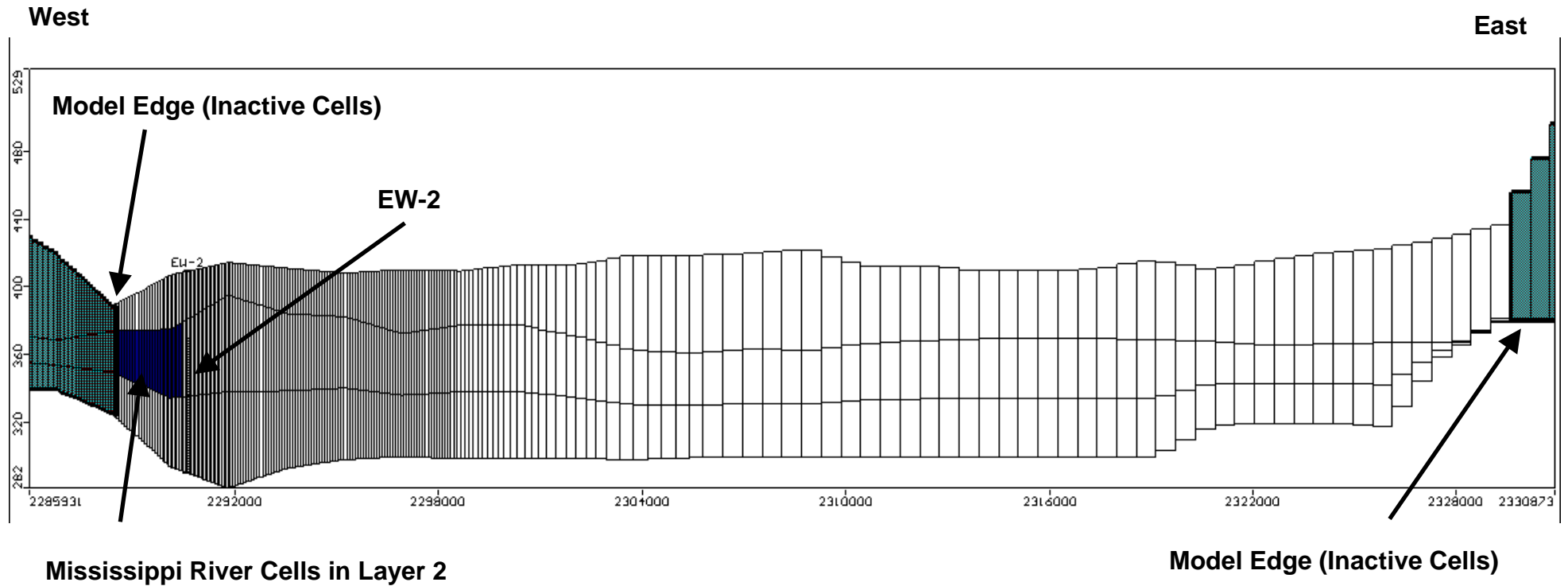
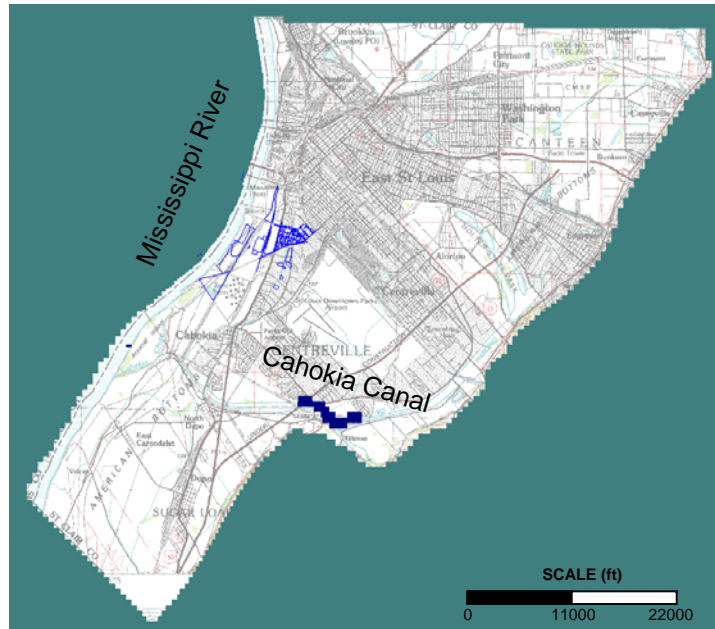
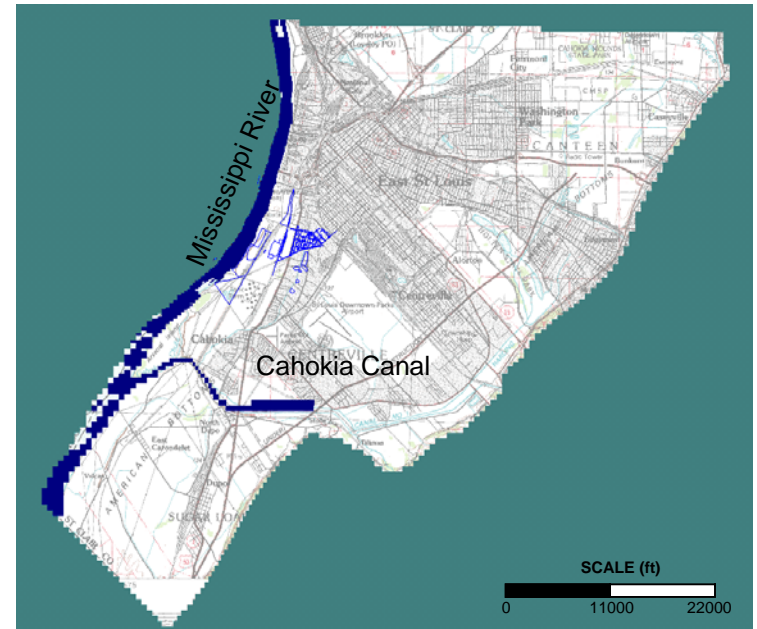


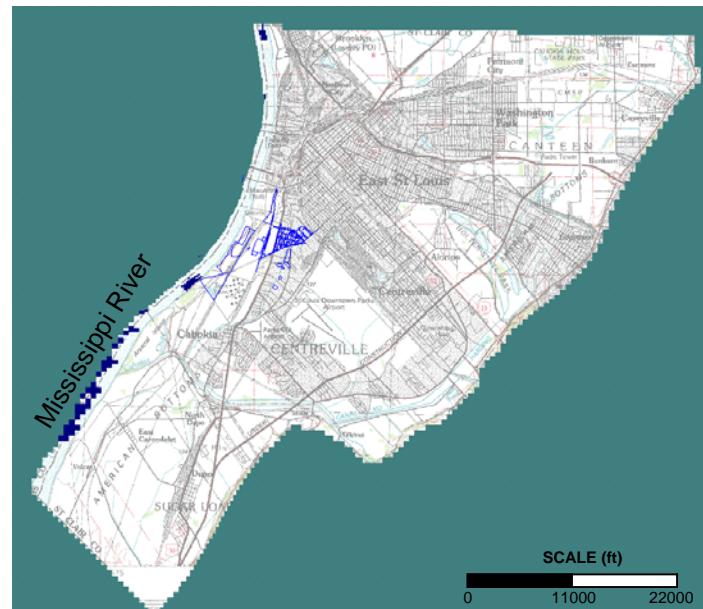
FIGURE 21
Modeled Mississippi River



SHU (Layer 1)



MHU (Layer 2)



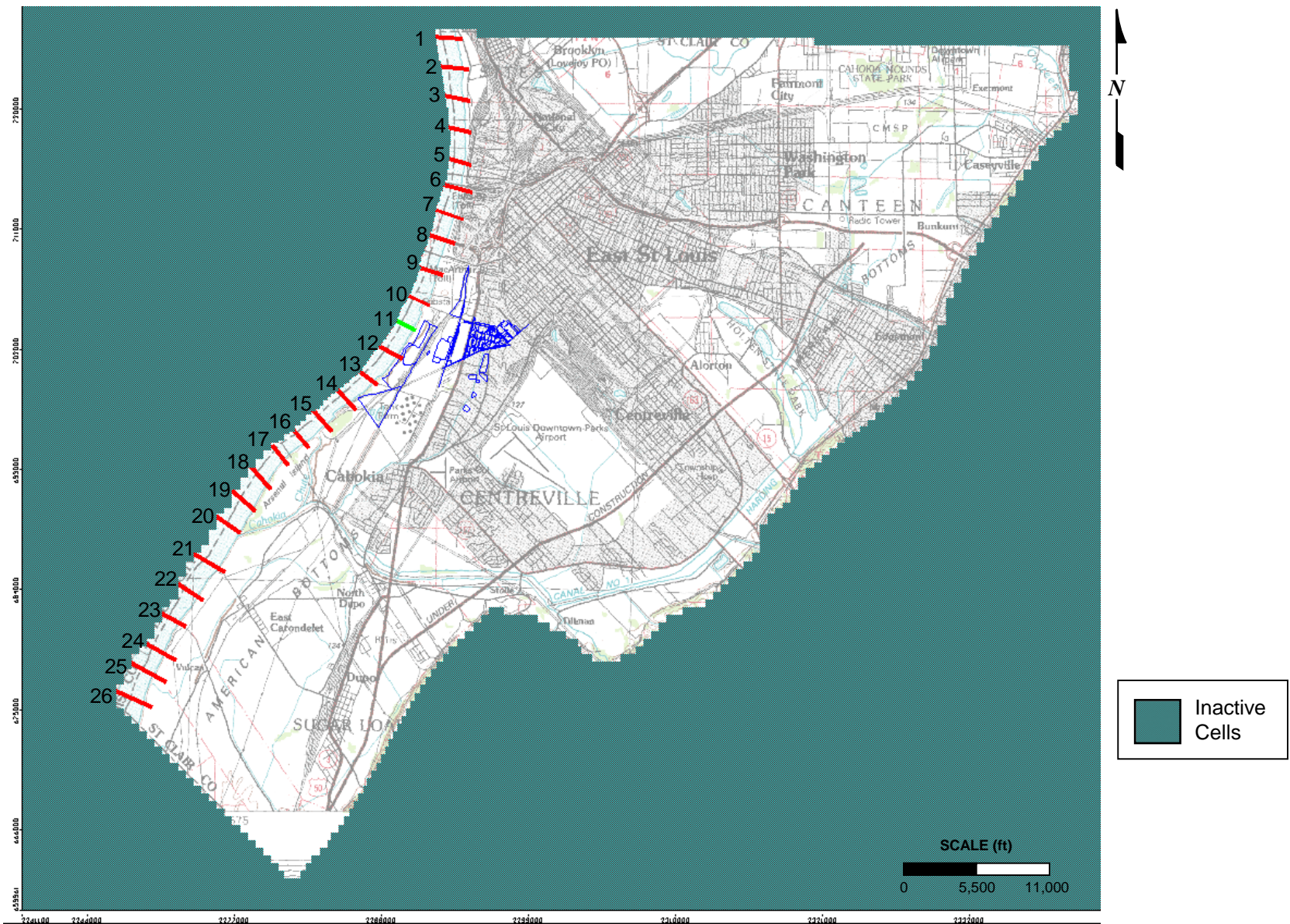
DHU (Layer 3)

Legend

- River Cells
- Inactive Cells

NOTE:
Site basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.

FIGURE 22
Cross-section Locations Across Modeled Mississippi River



NOTE:

1. Basemap from: "Remedial Investigation/Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.